



EC17713 MINI PROJECT

**E.D.N.U.S-Emotion Detection for Individuals with Neurological Disorders
Using Speech Operation Manual**



Step by Step Procedure

Step1: Open the command prompt terminal (cmd) via Windows start menu.



```
Command Prompt
Microsoft Windows [Version 10.0.19043.1526]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Vishal BS>
```

Step2: Navigate to the location which houses the Python environment via the command prompt terminal.



```
Command Prompt - streamlit run main.py
Microsoft Windows [Version 10.0.19043.1526]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Vishal BS>
P:\>cd d:\lib\dl-libenv\Scripts
```

Step3: Activate the Python Environment via the command prompt terminal.



```
Command Prompt - streamlit run main.py
Microsoft Windows [Version 10.0.19043.1526]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Vishal BS>
P:\>cd d:\lib\dl-libenv\Scripts
P:\dl-lib\dl-libenv\Scripts>Activate
```

Step4: Once the Python Environment is Active, kindly ensure that the required libraries are installed. To ensure a hassle-free process kindly ensure that the libraries mentioned below are installed in their corresponding versions.

```

Command Prompt
Microsoft Windows [Version 10.0.19043.1526]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Vishal BS>f:
f:\>cd d1-lib\dl-libenv\Scripts
f:\dl-lib\dl-libenv\Scripts>activate
(dl-libenv) f:\dl-lib\dl-libenv\Scripts>

```

Library Name	Version Number	Command
NumPy	1.19.5	pip install numpy==1.19.5
Pandas	1.3.1	pip install pandas==1.3.1
Scikit-learn	Any	pip install sklearn
XG-Boost	1.4.2	pip install xgboost==1.4.2
TensorFlow	2.6.0	pip install tensorflow==2.6.0
Streamlit	1.1.0	pip install streamlit==1.1.0
Librosa	0.8.1	pip install librosa==0.8.1
SoundFile	Any	pip install soundfile

Step5: Navigate to the location which houses the project files as per your system via the Command Prompt terminal.

```

Command Prompt - streamlit run main.py
Microsoft Windows [Version 10.0.19043.1526]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Vishal BS>f:
f:\>cd d1-lib\dl-libenv\Scripts
f:\dl-lib\dl-libenv\Scripts>activate
(dl-libenv) f:\dl-lib\dl-libenv\Scripts>d:
(dl-libenv) D:\>cd D:\Documents\mini project\EDRUS\EDRUS\algorithm\User Interface\UI Model

```

Step6: Run the command “**streamlit run main.py**” via the command prompt terminal

```
Command Prompt - streamlit run main.py
Microsoft Windows [Version 10.0.19043.1526]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vishal BS>f:
f:\>cd dl-lib\dl-libenv\Scripts
f:\dl-lib\dl-libenv\Scripts>activate
(dl-libenv) f:\dl-lib\dl-libenv\Scripts>
(dl-libenv) D:\>cd D:\Documents\mini project\EDNUS\EDNUS\algorithm\User Interface\UI Model
(dl-libenv) D:\Documents\mini project\EDNUS\EDNUS\algorithm\User Interface\UI Model>streamlit run main.py
```

Step7: Congratulations! the user interface is successfully constructed upon receiving the output window as depicted below. Furthermore, the output could be recorded upon navigating through either of the links mentioned below.

```
Command Prompt - streamlit run main.py
Microsoft Windows [Version 10.0.19043.1526]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vishal BS>f:
f:\>cd dl-lib\dl-libenv\Scripts
f:\dl-lib\dl-libenv\Scripts>activate
(dl-libenv) f:\dl-lib\dl-libenv\Scripts>
(dl-libenv) D:\>cd D:\Documents\mini project\EDNUS\EDNUS\algorithm\User Interface\UI Model
(dl-libenv) D:\Documents\mini project\EDNUS\EDNUS\algorithm\User Interface\UI Model>streamlit run main.py

You can now view your Streamlit app in your browser.
Local URL: http://localhost:8501
Network URL: http://192.168.1.7:8501

2022-02-21 14:03:56.191041: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll'; dlerror: cudart64_110.dll not found
2022-02-21 14:03:56.198734: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on your machine.
2022-02-21 14:03:56.935371: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlerror: nvcuda.dll not found
2022-02-21 14:03:56.935571: W tensorflow/stream_executor/cuda/cuda_driver.cc:266] failed call to cuInit: UNKNOWN ERROR (303)
2022-02-21 14:03:56.938857: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: Void
2022-02-21 14:03:56.939240: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: Void
2022-02-21 14:03:56.939637: I tensorflow/core/platform/cpu_feature_guard.cc:142] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations:
AVX AVX2
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
2022-02-21 14:03:58.982 No training configuration found in the save file, so the model was *not* compiled. Compile it manually.
```